

We claim:

1. A method of making a honeycomb structure comprising:
  - providing an elongated tubular structure having an exterior surface,
  - applying at least one longitudinal line of an adhesive to the exterior surface of the elongated tubular material, the adhesive being a slow cure adhesive that will not fully cure for at least one hour,
  - wrapping the elongated tubular structure around a collector in a manner to cause the adhesive to be positioned between overlying surfaces of the elongated tubular material and to form a cellular structure on the collector,
  - making at least one transverse cut through the cellular structure, the cut being made before the adhesive has fully cured,
  - placing the cellular structure on a flat surface before the adhesive has fully cured, and
  - allowing the adhesive to fully cure while the cellular structure is on the flat surface.
2. The method of claim 1 wherein the tubular structure is a material selected from the group consisting of woven fabrics, non-woven fabrics, knits and films.
3. The method of claim 1 also comprising attaching at least a portion of the cellular structure to a headrail.
4. The method of claim 1 also comprising cutting the cellular structure to form a plurality of cellular structures of smaller width.

5. The method of claim 4 wherein the cellular structure is cut while the cellular structure is on the flat surface.

6. The method of claim 1 wherein the adhesive is polyurethane adhesive having a curing time of at least 4 hours.

7. The method of claim 1 wherein the adhesive has a curing time of at least 4 hours.

8. The method of claim 1 wherein the collector is a wheel on which the elongated tubular structure is wrapped.

9. An apparatus for forming a cellular structure comprising:

a supply of tubular material,

a wheel on which the tubular material is to be wound,

a drive mechanism positioned between the supply and the wheel which receives tubular material from the supply and directs the tubular material to the wheel,

a glue applicator positioned between the supply and the wheel the glue applicator having a reservoir filled with a slow cure adhesive that requires at least two hours to cure, the glue applicator configured to apply at least one glue bead of the slow cure adhesive to the tubular material before the tubular material is wound on the wheel, the glue applicator having a reservoir containing the slow cure adhesive, and

a flat surface located near the wheel, the flat surface sized to receive at least a portion of a cellular structure that has been formed by wrapping the tubular material around the wheel and then cutting the cellular structure to remove the cellular structure from the wheel.

10. The apparatus of claim 9 wherein the wheel has a diameter of at least 10 meters.

11. The apparatus of claim 9 wherein the wheel is elliptical, has a major diameter and a minor diameter, the major diameter being not more than twice the minor diameter.

12. The apparatus of claim 9 also comprising an accumulator positioned between the supply and the glue applicator, the accumulator containing a plurality of wheels over which the tubular material passes, the wheels defining a path followed by the tubular material through the accumulator, the accumulator being configured such that at least one wheel can be moved relative to another wheel thereby changing a length of at least a portion of the path.

13. The apparatus of claim 9 wherein the wheel has four flat surfaces.
14. The apparatus of claim 9 wherein the flat surface is movable from a position under the wheel to a position away from the wheel.